

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17	"5,210,479"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/03 10:39
S2	16	("4429339"   "4509089"   "4564895"   "4580063"   "4581540"   "4607171"   "4672524"   "4691269"   "4719531"   "4721869"   "4725741"   "4743815"   "4777579"   "4859921"   "4875000"   "4890009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/05 14:40
S3	14	("5210479").URPN.	USPAT	OR	OFF	2005/04/05 14:53
S4	1748	power near transistor same (protection protecting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/05 15:31
S5	29	power near transistor same (protection protecting) and first near comparator and second near comparator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/05 15:45
S6	27	power near transistor same (protection protecting) and short near (detect detecting detection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/05 15:45
S7	7	("4996964"   "5156127"   "5190019"   "5388560"   "5415148"   "5490489"   "5581131").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/05 16:09
S8	0	"361.91.1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/05 16:30
S9	605	"361/91.1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/05 16:30
S10	1	10/773,283	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:11

## EAST Search History

S11	22	"4,581,540"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 10:39
S12	29	"4,,721,869"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 10:39
S13	10256	dc near ac near converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:11
S14	750	dc near ac near converter and short near circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:12
S15	38	dc near ac near converter and short near circuit near protection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:26
S16	12	dc adj ac near converter and short near circuit near protection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:51
S17	676970	hybrid near vehicle and AC near motor and dc adj ac converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 13:52
S18	4	hybrid near vehicle and AC near motor and dc adj ac near converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 15:07
S19	641	361/93.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 15:07
S20	294	361/93.9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/06 16:31

## EAST Search History

S21	0	"10773283"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 12:18
S22	1	"10/773,283"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 12:24
S23	1	IGBT and terraced near voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 12:24
S24	0	IGBT and terrace near voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:32
S25	288	IGBT near trench	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:32
S26	166	trench adj IGBT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:33
S27	10	trench adj IGBT same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:36
S28	16	IGBT near trench same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:36

## EAST Search History

S29	403	IGBT same (overvoltage or over adj voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:56
S30	0	IGBT same (overvoltage or over adj voltage) and comparator same reference near divider	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 13:57
S31	1	IGBT same (overvoltage or over adj voltage) and comparator same reference near3 divider	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 15:01
S32	2	("5650906").URPN.	USPAT	OR	ON	2005/10/28 14:15
S33	1	10/773,293	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 15:02
S34	1	10/773,283	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 15:02
S35	8	"6,323,518"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 10:40
S36	4	"6,180,966"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 10:45
S37	18	"5,210,479"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:08

## EAST Search History

S38	1	10/773,283	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:08
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